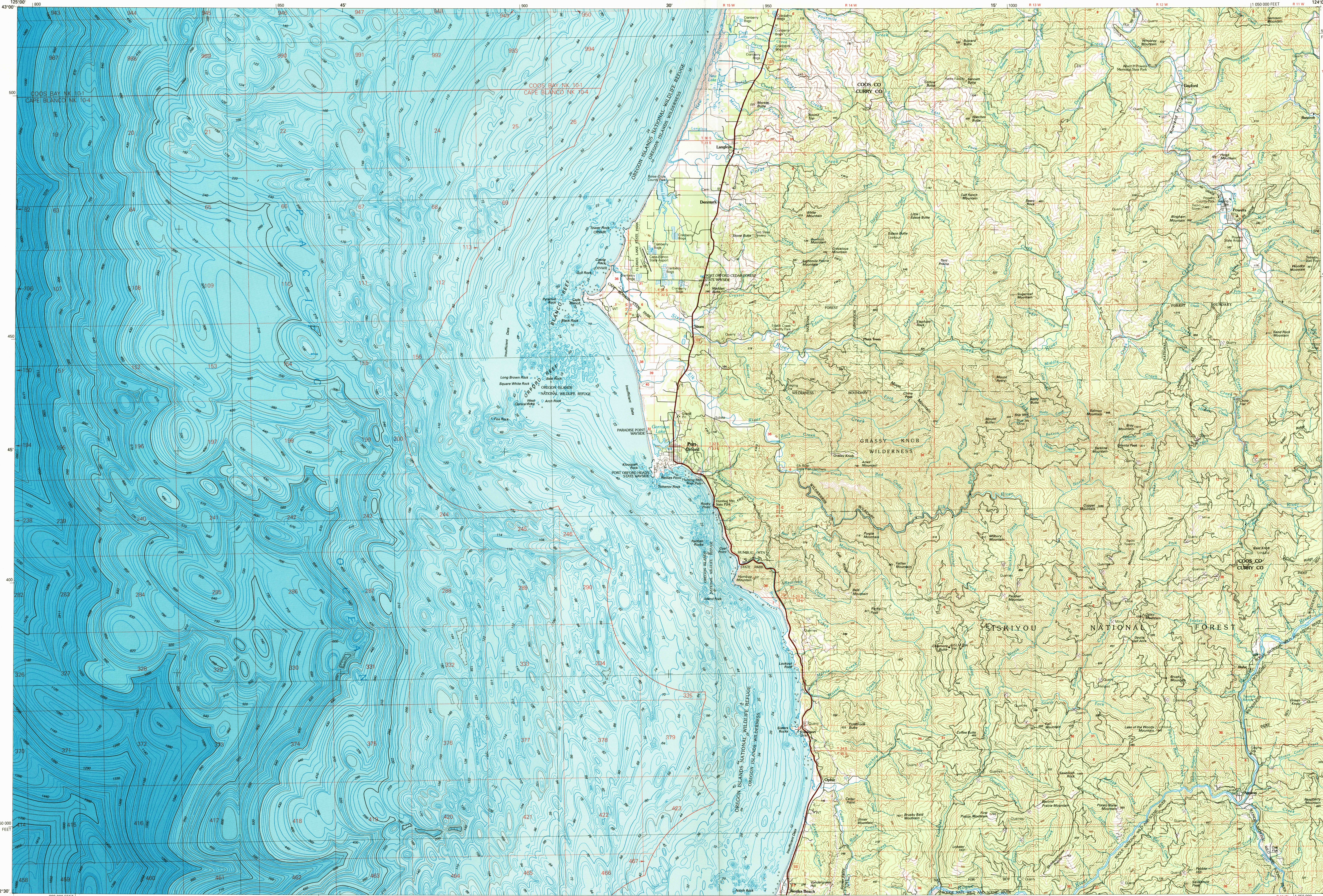


PORT ORFORD, OREGON

30X60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)



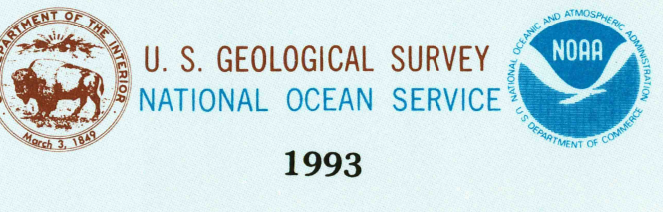
Port Orford OREGON

1:100 000-scale metric
topographic-bathymetric map



30 X 60 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters



Produced by the United States Geological Survey
and the National Ocean Service

Compiled from USGS 1:24 000-scale topographic maps dated 1985-1989. Planimetry revised from aerial photographs taken 1988 and other source data. Revised information not field checked. Map dated 1993.

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water (dotted line) and mean high water (dashed line) compiled by NOS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation shown by light solid line).

1927 North American Datum (NAD 27) and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875.

Offshore protection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagrams dated November 2, 1976 and November 10, 1976. The protection on this map are not for Federal leasing purposes; for such purposes, refer to the 1:250 000-scale OCS Official Protection Diagrams available from the Minerals Management Service.

There may be private inclusions within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL: 50 METERS
NATIONAL GEODETIC VERTICAL DATUM of 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVALS: 10 METERS TO 200 METERS DEPTH
WITH SUPPLEMENTARY 2 METER CONTOURS; THENCE 50 METERS TO
MAXIMUM DEPTH, WITH SUPPLEMENTARY 10 METER CONTOURS. DATUM IS
MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO
DATUMS IS VARIABLE.

BASE MAP COMPILED WITH NATIONAL MAP ACCURACY STANDARDS
BATHYMETRIC SURVEY DATA COMPILED WITH INTERNATIONAL
HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 14
ACCURACY STANDARDS AND/OR STANDARDS USED AT THE DATE
OF THE SURVEY.

FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

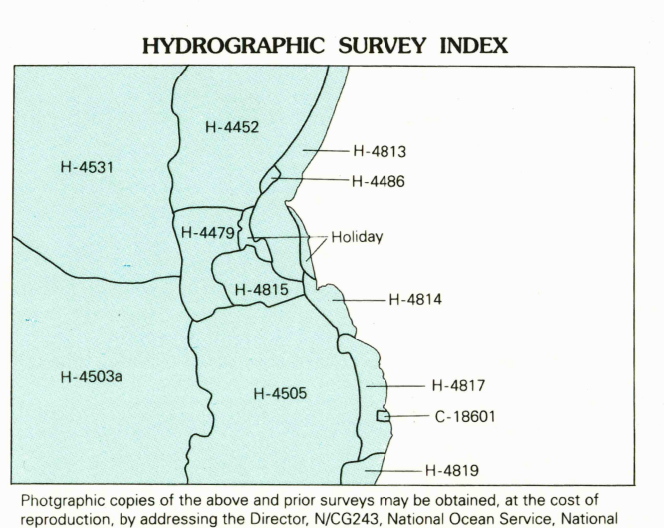
Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker: Interstate, U. S., State
- Railroad: standard gauge, narrow gauge
- Bridge: overpass, underpass
- Tunnel: road, railroad
- Built up area, locality, elevation
- Airport, landing field, landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey: range, township, section
- Range, township, section line: protected
- Power transmission line: pipeline
- Dam: dam with lock
- Cemetery, building
- Winnery, water well, spring
- Mine shaft: adit or cave, mine, quarry, gravel pit
- Campground, picnic area, U. S. location monument
- Ruin, cliff dwelling
- Decorated surface: strip mine, levee, and
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream, lake: perennial, intermittent
- Reefs, large and small; bays, large and small
- Area to be submerged: marsh, swamp
- Land subject to controlled inundation
- Scrub, mangrove
- Orchard: vineyard

A pamphlet describing topographic maps is available on request

HYDROGRAPHIC SURVEY INFORMATION			
SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUTIC MILES)
H-4452	1924	1:40,000	20-40
H-4473	1924	1:40,000	30-50
H-4468	1925	1:20,000	20-30
H-4509	1925	1:100,000	50-60
H-4505	1925	1:40,000	20-40
H-4511	1924-25	1:100,000	30-50
H-4813	1928	1:20,000	20-25
H-4814	1928	1:10,000	20-10
H-4815	1928	1:40,000	10-80
H-4817	1928	1:20,000	20-40
H-4819	1928	1:20,000	10-50

NOS CHART 19801 June 1981 1:40,000



Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, by addressing the Director, NOS/OS, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852